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British Iron and Steel Ind (no number given)

Sci - Thys Sep 59 98,242

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-I

CIA-RDP84-00581R000401140059-4

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by W. Geller, K. Bungardt, P. Hamadrachid. Undl.

GERDIAN, per, Arch Risenhuettavesen, Vol XXVII.

No 4, 1956, PP 235-240.

Dritish Iron and Steel Ind
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6c1 - Chem
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British Iron and Steel Ind 1133

Sci - Min/Met Apr 59 84,267

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Sci - Min/Met

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GENNAN, per, Archiv fuer Eisenhusttenwesen, Vol XXVII 1956, pp 3k3-3k6.

AEC-UCEL-Tr-913(L)

Sai - Nucl Sai

Jul 63

*BISI 6068 NLL Ref: 9022.06 (6068) 238,155

APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000401140059-4

LINE DESTROYUS ESSINGUIS ESSINGUIS CERTIFICATION DE PROPERTIEN DE HORMANDI DE PROPERTIE DE PROPE

Calculations of Output and Cost for Production Planning of Iron and Steel works, by W. Bauer. UNCL

GERMAN, per, Arch Misenhusttewesen, Vol XXVII, No 5, 1956, pp 347-354.

British Iron and Steel Ind (no number SEES (Siven)

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The Influence of Heat Treatment on the Machinability of Heat Treated and Case Hardening Steels, by F. Wever

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ARLIN-G895

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AMC-DURL-In-863(L)

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Co-op Tr 8ch Tr 657 (£2.15.0)

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Sci - Min/Not

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Nex 62

Decrease in Buestite at Temperature Below 570° in Presence of Iron, by W. A. Fischer, et al. UNCL

GERMAE, per, Arch Eisenhuettenwenen, Aug 1956, pp 521-529.

SLA 60-14360

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Sci - Min/Met Nov 59

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Melting of High-Purity Iron by the Carbon Reduction Process and Notch Toughness vs. Temperature Curves of This Iron, by W. A. Fischer, H. Treppschuh, K. H. Köthemann.

CERMAN, per, Archiv Risenhüttenwesen, Vol XXVII, No 9, 1956, pp 567-572.

Henkry Brutcher Tr No 3877 \$11.90 45,178

Sci - Min/Metals; Chemistry Mar 1957 CTS/dex

Determination of the Size Distribution of Pores in Refrectory Materials and Glass Filters, Part II. by L. Zagar.

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HB 7486

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May 60

GCIRA 911 115, 954

APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000401140059-4

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Koch, W. and Malissa, H. HIGHLY ACCURATE DETERMINATION OF CARBON CONTENTS WITH A RECORDING CONDUCTIVITY INSTRUMENT. Rept. no. 233 of the Chemical Committee of the Vierein Dicutscher] E[isenhüttenleute]. [1957] [9]p. 16 refs. Order from SLA \$1.10 61-16320	1. Koch, W. 11. Malissa, H. 111. Title: Verein	
Trans. of Archiv für das Eisenhüttenwesen (West Germany) 1956, v. 27, no. 11, p. 695-699. DESCRIPTORS: *Carbon, Graphite, Determination, *Cast iron, Conductivity, Microanalysis, Carbon dioxide, Combustion, Instrumentation CO-OP Tr Sch 77-77. (L2.15.0)		
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The Formation of a Cubic Bitride in Aluminium-Containing Steels, by Koch, et al. UNCLASSIFIED

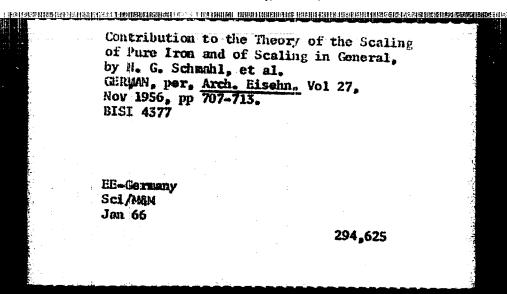
GERMAN, per, Arch Eisenhuttenwesen, Nov 1956, pp 701-706.

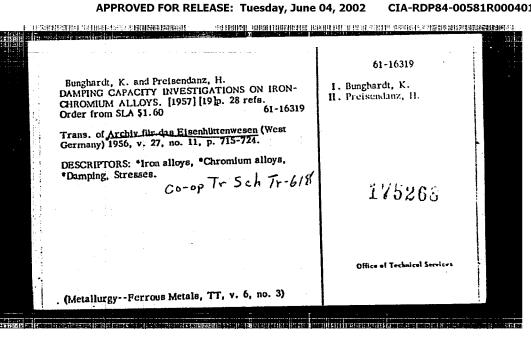
Co-op Tr Schame Tr 900

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Sci - Min/Met Jun 58

64,690





Rapid Determination of Iron in Slag (With an Accuracy of £25, Within 4 Minutes), by Kopinsck. UNCLASSIFIED

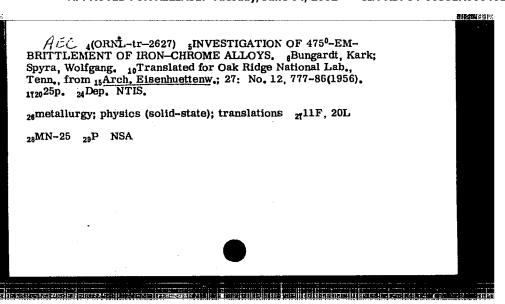
GERMAN, per, Arch Eisenhuettenwesen, No 12, 1956, pp 753-760.

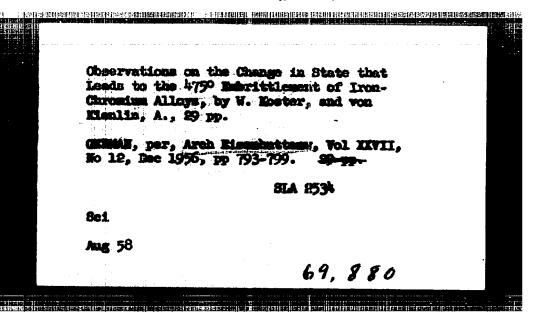
British Iron and Steel Ind 739 (15.0.0)

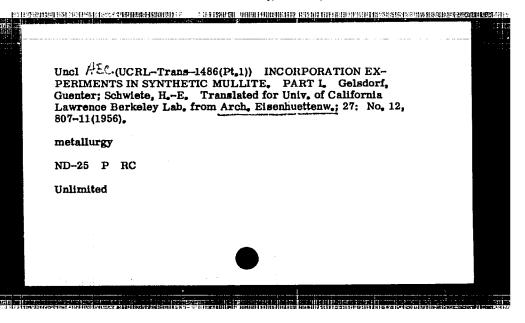
Sc1 - Min/Met Nov 98 76,329

APPROVED FOR RELEASE: Tuesday, June 04, 2002

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Therendynamic Analysis. Part 9: An Air of Cas Calorimeter, by W. Celsen.

GENEAU, per, Archiv fur Das Eisenhuttenweien, Vol KXVIII, 1957, pp 1-6.

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Sci-Not

May 60

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BCIRA 912

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CIA-RDP84-00581R000401140059-4

Application of Complexemetric Analysis in a Steelworks Laboratory, by Wengler, Ausel. UNCLASSIFIED

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Study of Desulphurization in a Basic Bessemer Steelworks, by Decker.

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Co-op To Sch To 654
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Jan 58

Determination of Small Contents of Aluminum in Steel, II., by A. Neuberger, E. Schöffmann.

GERMAN, pen Archiv Fisenhüttenvesen. Vol XXVIII, No 2, 1957, pp 65, 66.

Henry Brutcher
Tr 3934
\$2.90

Sci - Min/Metals
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The influence of Testing Machine Characteristics on the Shape of Stress/Strain Curves With Single or Repressed Drop in Loads, by A. Kochendorfer, W. Wink, 12 pp.

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Broken Hill Proprietary Co Ltd (CRL/T.368)

Sci - Engr Nov 61 177,316

New Process for Sampling Killed and Rimming Steel for Determination of Oxygen and Rydrogen, by Schenck et al.

GERMAN, per, Arch Sisenhuttenvese, Vol XXVIII, Mar 1957, pp 123-125.

Co-op Tr Sch Tr 630 (§1.5.0)

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Sci - Min/met Jan 58

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDF

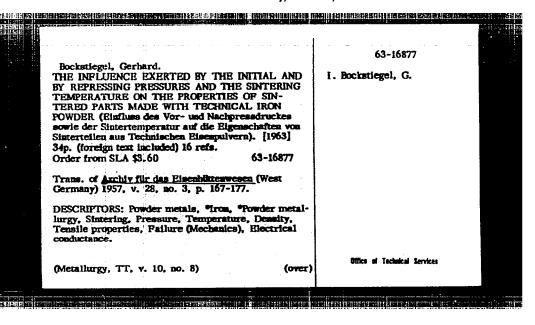
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Bolution of Some Problems of Fatigue Strength by the Stop-Test Mothed, by Bublen, Schreiber.

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Mar 1957, pp 153-156.

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Sci - Engr
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Determination of Current Density-Potential Curves in Conjunction With Electrolytic Isolation Using an Electronic Potentiostat, by W. Koch, K. Ludering.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXVIII, Apr 1957, pp 201-205.

Sci - Min/Metals

West 2840 West CKL/T 960 210.868

Sep 62

List 148

Effect of Final Annealing in a High Vacuum on the Hysteresis of Hot and Cold Rolled Transformer Sheets, by Linl.

SERMAN, per, Arch Eisenhuttenwesen, Vol XXVIII, No 4, 1957, pp 223-226.

Co-op Tr Sch Tr 570

Sci - Min/met Jan 58

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APPROVED FOR RELEASE: Tuesday, June 04, 2002

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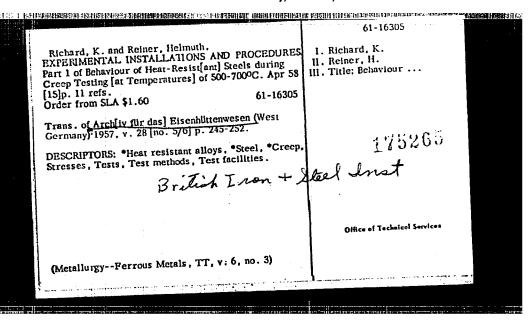
Calorimetric Investigations on the Kinetics of the Isothermal Breakdown of Austenite of 125 Manganese Steel, by G. Collette. UECL

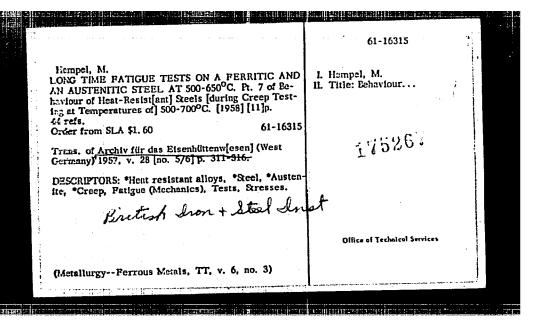
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British Iron and Steel Ind 1060

Sci - Phys Jan 59 SLA 61-12434

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APPROVED FOR RELEASE: Tuesday, June 04, 2002

Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C - Part III, by Jahn.

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Sci - Engr Min/met Jan 58

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APPROVED FOR RELEASE: Tuesday, June 04, 2002

Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° Co Part V = Results of Creep Tests on Austenitic Steels and Alloys, by HUMMARDT.

CERNAN, per, Arch Elsenbuttenveren, Vol. XXVIII, May/Jun 1957, pp 287-304.

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Sci - Min/met Jan 58 57,665 CSIED

APPROVED FOR RELEASE: Tuesday, June 04, 2002

Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. Part VI - Metallurgical Examinations of Austenitic and Ferritic Steels After a Long Period of Creep Stressing, by Krink Krisch.

GERMAN, per, Arch Eisenhuttenwesen, Vol XXVIII, Kay/ Jun 1957, pp 305-310:

Jan 58

CSIRO 57,667 Sci - Min/met

Behaviour of Heat-Resisting Steel in Long-Period
Tests at 500-700° C. Part VII, by Hempel.

GERMAN, per, Arch Bisenhuttenwesen, Vol XXVIII,
May/Jun 1957,

Sittist Oracle 574

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Sci - Min/met
Jan 58

APPROVED FOR RELEASE: Tuesday, June 04, 2002

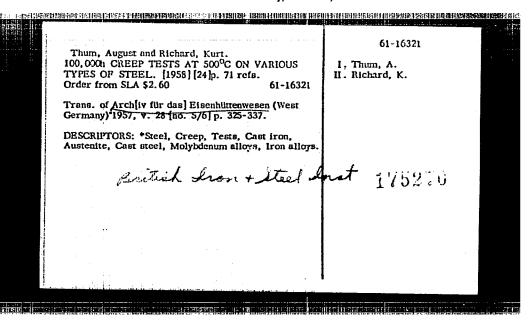
Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. Part VIII - Some Preliminary Deductions, by Schinn, Approximately

GERMAN, per, Arch Eisenbuttenwesen, Vol XXVIII, May/Jun 1957, pp 317-323.

Billion Story of

Sci - Min/met Jan 58 57,666

APPROVED FOR RELEASE: Tuesday, June 04, 2002



Kirsch, Alfred and Wepner, Wolfgang.
ON THE CONVERSION OF CREEP VALUES TO
OTHER TEMPERATURES. [1961] [13]p. 29 refs.
Order from SLA \$1.60

Trans. of Archiv für das Eisenhuttenwesen (West Germany) 1957, v. 28 inc. 5/61 p. 339-344.

DESCRIPTORS: *Scel, Creep, Temperature.

Creep curves for 19 ferritic and 19 austenitic steels were evolved by means of tests at two or more temperatures and were compared by the process after F. R. Larson and J. Miller. In most cases agreement was bad so that no success was had in plotting a "master curve" for these steels, neither was it possible by changing the constant 20 in the formula after Miller and Larson by substituting C in the parameter L = 1.8 *T(C + ig t) where T = temperature in OK, and t = time in hours, particularly as, depending on the stress selected, another constant would result. On the (Metallurgy--Perrous Metals, TT, v. 6, no. 3) (over)

The Influence of Chemical Composition and Structure on the Man Hydrogen Content of Iron and Steel. Part I. The Influence of Silicon, Carmoon and Structure on the Behaviour of Hydrogen in Unalloyed Steels, by F. Erdmann-Jesnitzer, H. Sabath, 24 pp.

GERMAN, per, Arch Eisenhuttenw, Vol XXVIII, 1957, pp 345-353.

AEC 10RL-T/C-95 HB-4/36/30,87/

Sci - Chem

26 Oct 60

Plastic Deformation and the Behaviour of
Hydrogen in the Formation of Flaws in Unalloyed
Hydrogen in the Formation of Flaws in

Influence of Catalysts on the Reduction of Iron Ores With Hydrogen, by W. Machu, S. Y. Ezz.

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CERMAN, per, Archiv fuer das Eisenhuttenwesen, Vol. XXVII, No 7, 1957, pp 30(-3/1.

Brutcher Tr 4067 \$7.25

Sc1 - Min/Met

Apr 58

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Examination of Wolded and Unwalded Chrom-Bickel Steals for Intercrystalline Corrector, by H. Litter. URCL

ORDMAN, per, Arch Elsenhusttenwesen, Jul 1957, pp 401-416.

British Iron and Steel Ind 985

(19 15=.04.)

Sci - Min/Mrt Mny 59 85,801

Carbides and the Stress-to-Rupture Test of Cr-Mo-V Steel, by Koch, et al.

GERMAN, per, Arch Bisenhuttenwesen, Vol XXVIII, Aug 1957, p 445.

B'|S|

Sci - Min/met 57,637

APPROVED FOR RELEASE: Tuesday, June 04, 2002

Studies of the Structure of Steels With High Contents of Carbide-Forming Alloying Elements, by Schreder, et al. Unclassified

Co-op Tr Scheme
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(IA.15.0)

CSIRO

Sch - Min/Metals
Jul 58

Further Investigations of the Dephosphorization of Iron With Lime-rich Slags, by G. Tromel, H. W. Fritze.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXVIII, Aug 1957, pp 489-495.

BCIRA 886

Sci

Jan 63

Measurements of Electric Resistance and Thermoelectric Force Carried Out With Cr203 at Temperatures up to 1750°C, by W. A. Fischer, G. Lorenz.

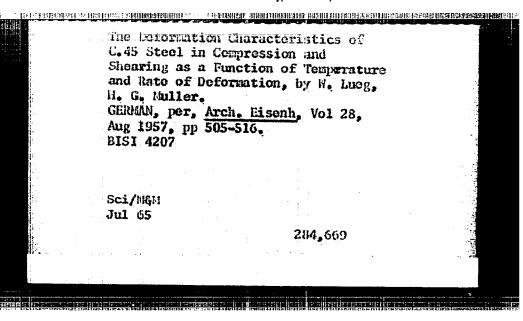
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GERMAN, per, Archiv fur das Risenhuttenwesen, Vol XXVIII, 1957, pp 497-503.

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Sci - Electricity
Jun 62

203,375



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Calorimetric Examination of theck-> & Transformation of Cristobalite, by Krisement, et al.

GERNAH, per, Arch Eiganbuttesmeen, Vol XXVIII, Sep 1957, p 523.

Co-op Tr Sch Tr 713

Sci - Min/met Jan 58 57,635

Contribution to Evaluation of the Welding Defects Based on X-Ray Photographs and Stress and Strain Experiments on Welded Samples, by Harmann Moller, Man Hampel, 24 pp.

GERMAN, per, Arch Eisenhuttenv, Vol XXVIII, 1957, 59 531-541.

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BOY 58

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Hactrockmenical Basis of the A Jeolation of Structural Components in Steels, by W. Kech, E. Sundanness. UTCL

GERMAN, per, Arch Biscohnsttewnson, ED 7, 1957, pp kg 557-566.

British Iron and Steel Ind 1029 (17 10s.0d.)

Sci - Min/Mot Jan 59

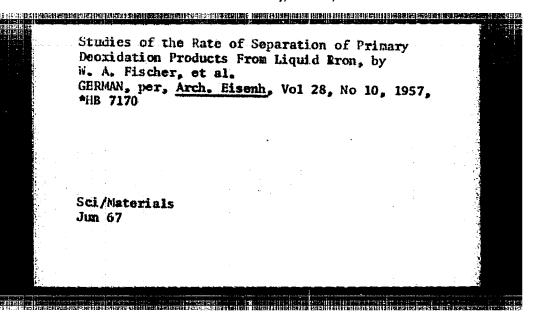
Studies of Structure and Adhesion of Scale on Plain Carbon Steel Flates, by H. J. Engell, F. K. Peters.

GERMAN, per, Archiv Bicenhuttenwesen, Vol. XXVIII, No. 9, 1957, pp. 567-574.

Benry Brutcher 4329

\$13.75

Bed - Engr Oct 58



Investigations of the Rate of Separation of Primary Decaidation Products from Liquid Iron, by W. A. Fischer, N. Wahlster.
GERMAN, per, Archiv Eisenhuttenwesen, Vol 28, No 10, 1957, pp 601-609.
HB 7170

Sci - Mech Aug. 67

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The Rate of Reduction of Iron Oxide With Hydrogen, by L. Von Bogdandy, H. G. Riecke,

GERMAN, per, Archiv Eisenhuttenw, Vol XXIX, No 10, 1958, pp 603-609.

CRL/T.958

Sci Dec 62

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> British Iran nad rel ted 1195 (1A 50.04)

Sci - Min/Mit APT 59

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Determination of Small Titanium Contents
in Iron Alloys and Ores After Separation
of the Heavy Metals With Pyrrolidine
Dithioparbamate, by E. Schoffman,
E. Halissa. UNCL

CERNAL, per, Arch Eisenhuettevesen, No 10,
1957, pe 663-624.

British Iron and
Steel Ind 1128

80, 268

OTS 61-18367

Quantitative Determination of Alloy Elements in Steel, by X-Ray Fluorescent Spectro-Analysis, by Krachtor, Jager.

GERMAB, por, Arch Bisenhuttenwasan, Vol XXVIII, Oct 1957, pp 633-639.

Co-op Tr Sch Tr 1798 797

x Sci - Physics Apr 58

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Etching Procedure for Differentiating Between Chemically Resistant Cr-Ni Steels and Cr-Ni-Mo Steels, by F. K. Naumann, W. Carlus.

GERMAN, per, Archiv Eisenhuttenwesen, Vol YVVIII, No 10, 1957, pp 641-44.

Brutcher Tr 4231 \$4.60

Sci - Chem

Aug 58

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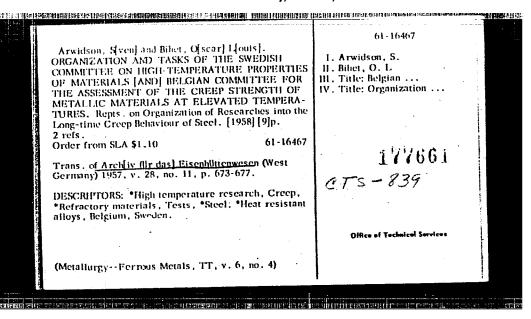
Matz., Werner and Peter, Waker.
ON THE PROBLEM OF MAGNETIC AGING OF SOFT STEEL (Zur Frage der Magnetischen Aiterung von Weitchem Stahl). [28p] (foreign text included) 22reis.
Order from SLA \$2.00

Trans. of Arch[iv] f[tr] d[as] Eisenhüttenw[esen]
(West Germany) 1957, v. 28, no. 10, p. 655-662
[Verein Deutscher Eisenhüttenleure (West Germany).

Berichte-1104]

(Metallurgy--Harrous Metals, TT, v. 12, no. 7)

Office of Tachnical Services



APPROVED FOR RELEASE: Tuesday, June 04, 2002

The Behaviour of Heat-Resisting Steels During Creep Testing at 500-700°C, II. Equipment and Technique for the Exact Determination of Greep and Fracture Behaviour m at Elevated Temperatures Under Alternating and Varying Conditions of Load and Temperature.

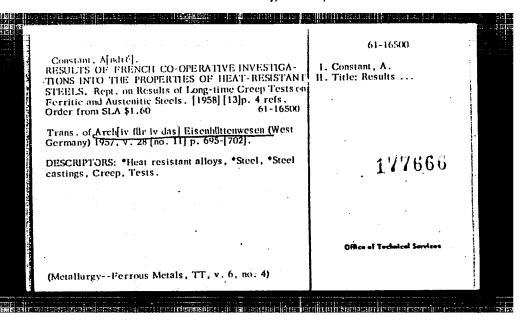
GERMAN, per, Arch Elsenhuttonwesen, Vol EXVIII, Nov 1957, p 679-685.

Sci - Min/met

Apr 58

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Annual Control of the	61-16203	
Schaar, K., Houdremont, E., and others. EVALUATION OF LONG-TIME CREEP TESTS: DISCUSSION. [1961] [19]p. 18 refs. Order from SLA \$1.60 61-16203	1. Schaar, K. II. Houdremont, E.	
Frans. of Archiv [für das] <u>Eisenhilttenwesen</u> (West Germany) 1957, v. 28, Nov. p. 687-694.		
DESCRIPTORS: Creep, Stresses, *Steel, Tests	175230	
The discussions are presented that followed the presentation of a paper by Bandel and Gravenhorst (Arch. Eisenhüttenw. 28: 253-258, 1957). Review Iron + Steel does 841		
CSIRO		
	Office of Technical Services	
(MetallurgyPerrous Metals, TT, v. 6, no. 3)		

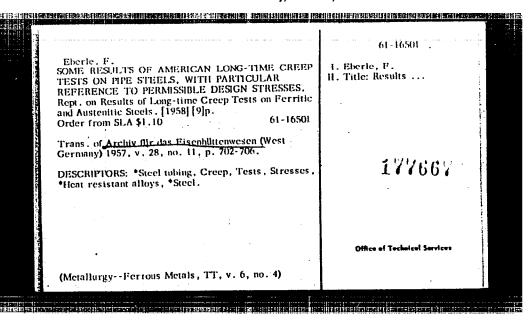


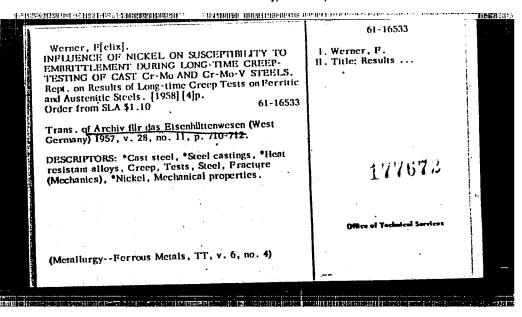
The Rehaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. IV. Results of French Co-operative Investigation Into the Properties of Heat-Resisting Steels,
by Constant; Some Results of American Long-Time Creep Tests
on Pipe/Steels, With Particular Reference to Permissible
Design Stresses, by Eberle; Development of Heat-Resisting
Materials and Their Testing in Czechoslovakia, by Pluhar;
Influence of Mickel on usceptibility to Embritlement
During Long-Time Creep Testing of Cast Cr-No and Cr-No-V
Steels, by Felix; Variations in the Rate of Creep of a
Plain Steel During Long-Time Creep Testing, by Mark Johansson.

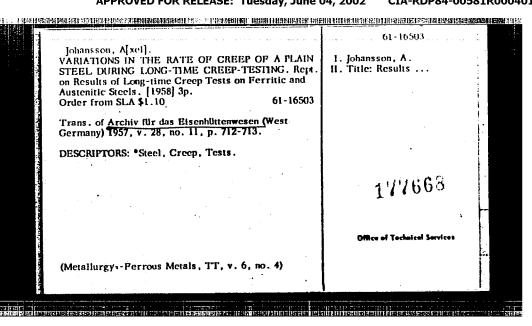
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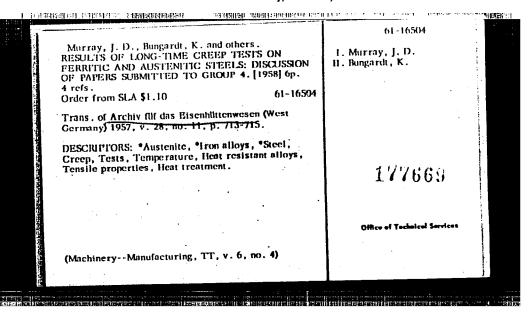
pp 695; 702; 707; 710; 713. BIST 842 60,840

Sci - Min/mot Apr 58









The EVs Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. V. Scatter in the Measurement of Long-Time Creep Data, by Schluter; Miniature Creep Tests and Their Evaluation, by k Kelle: Stauffer; Statistical Evaluation of Results of Creep Tests as a Means of Establishing Miniaum Design & Data by Zachokke.

GERMAN, per, Arch Kisenhuttenwesen, Vol XXVIII, Hov 1957, pp 717; 719; 726.

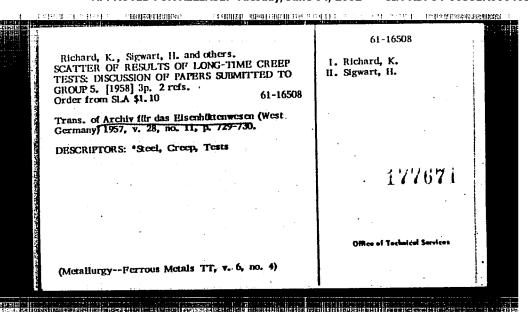
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Sci - Win/met

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CIA-RDP84-00581R000401140059-4



Eckhard, S. and Koch, W.

SPECTROGRAPHIC DETERMINATION OF TRACE
ELEMENTS IN STEEL WITH MOVING ELECTRODES.
Elements in Steel with Moving Electropes.

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DESCRIPTORS: *Steel, Spectrographic analysis,
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By employing a 1.5 m-grating spectrograph and a high tension A. C. arc with 4400 V it was possible to lower the detection limit for aluminum and manganese in pure iron from 0.0004 to 0.0001% Al and from 0.009 to 0.003% Mn by movement of the electrodes. (Author)

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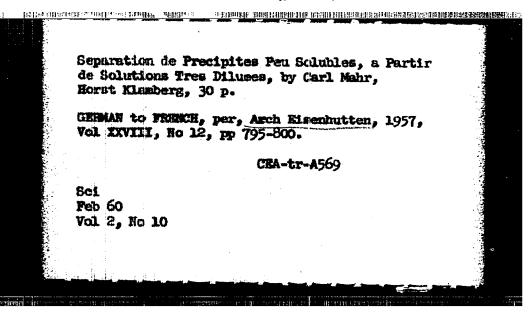
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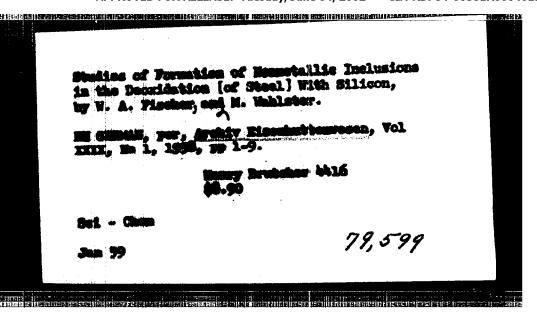
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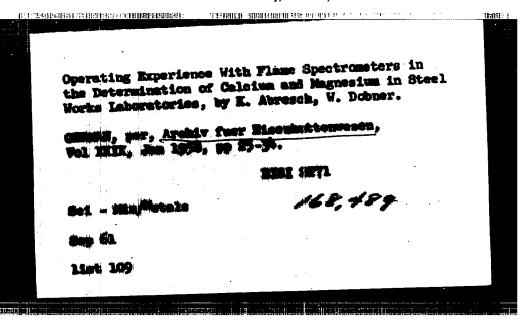
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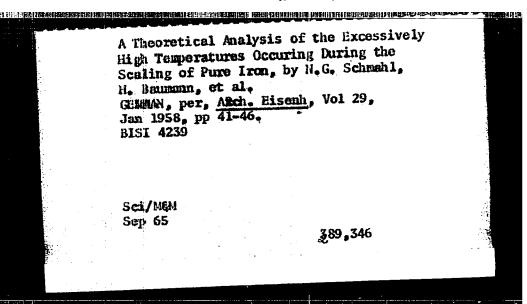
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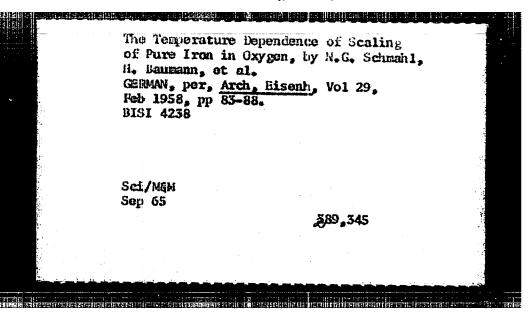
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